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(54) Title: ISOLATED HUMAN TRANSPORTER PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS, AND USES THEREOF

(57) Abstract: The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the transporter peptides of the present invention. The present invention specifically provides isolated peptide and nucleic acid molecules, methods of identifying orthologs and paralogs of the transporter peptides, and methods of identifying modulators of the transporter peptides.

1 ATGCTCTTCCA AGAAGAATAG AAAGCGGTTG AACCAAGGCG CGGAATATGG  
51 TTGGTCTCTG CCTCTCTGCT CTCTCTCTTG TGGGAGGCGA CGGGCTCTCT  
101 CTGCTGGATC AGACTTGGCG GCAAGCTGCG GCACTCTGAC GGTGACCAAC  
151 TTATTAGAAA AGGATGACAA AATTCTTAAA ACATTCTCAG ATTCTCTTAT  
201 TCATCTTGGG CTCAAGACTA TGAAGTCTCG AATATATATG ATAGCTGAC  
251 CAGTGTTCCT TACTAGTTTG AACGGAAGCG AAGAGGTGTA TACAGCTCGG  
301 CTAATGGCAG GATTCTCTCG AGGCAAGGTC GGCTCAGGTG AAATGGCACA  
351 GAAAGATGTG GGTGTGAGCG CTGTGTATGC CATCCAGGTC CAGGCTCTTG  
401 TGGGTCTGTG GCTACAGGCT GAGGAATGCG ATGTGGCACT CAGTGACAAA  
451 GATATGGAAA TTAATGAAGA AGAAGTGAAT GGTGTATTCG TGAGAAACT  
501 AGATGGCAAG ATTGTTTATC CAGGCAACTT TCTGTATTGT ACATCTATG  
551 GAGGACCGTA CAAGCTGCAA GTATTGCGAG TGAAGGCGCG AGATGGCATG  
601 ATATTGGGAG GGCTCTCAGG TGACTCTGAC ACTGATGCGC AAGATGAGC  
651 CTTTGAGCAG TCGCTATGCG ATGCTGAGAG CCGTGAATTA TCGTACAGC  
701 TAAAGCAGTT AGATCTGAGG GATACCCAGA TCCCAACATC AAGAAGTACT  
751 CTTTATAAAC CAATTGATGA CAGATTGACA AATAAGGCGA GTGATGTTT  
801 GCTGGATGTT ACACAGAGCG CTGGAGATGG CAGTGGACTT ATCCAGAGG  
851 AAGTCACAGG TCTTAAATGT AATTTTGAAT CTGCGAGAGA AGCAATGAG  
901 CAACCTACTG AAGAAGAGAG ACTGCTAAAG TTCAGCATAG GAGCAAGTGG  
951 CAATCTACTG ACTTTTATTT TTAATCTCTC AACAGCAAGA GTCAATTTTA  
1001 CAGGATTTGA TAABATTTGA AAGGAGGCGG CTGGAAGGAA TTAGAGAAAT  
1051 TATGAGCTGA TAGAGGATTT AAGGAGGCGG CTGGAAGGAA TTAGAGAAAT  
1101 AATTGAATTT CCGCTCAAAC AGGCTGAGCT TTTCAGAGGT TATGGATTT  
1151 CTGGCCCTAG AGGAGTGTGA CTTTATGCTC CTCAGGTTAC TGGAAAACA  
1201 ATGATGGGCA GGGCTGTTGC TAATGAAGTT GGAGGCTATG TTTCTGTAT  
1251 TAATGGTCTT GAAATATATA GCAATTTCTA TGGTGAGACT GAAGCAAGT  
1301 TAAGTCAGAT ATTGCTGAAA GCACTCTTAC GACAGCCATC AATATTTTT  
1351 ATTGATGAGC TGGATGAGCT TTGTGCGAAA ACAGAGGCGG CCGAGATGA  
1401 AGTGAAGAAA AGAGTGTGCG CTCTACTCTT AACACTGATC GATGGCATTT  
1451 GTTCAGAGT AAGTGAGGA CAGGTGTGCG TTTCTGGGCG CACAATGCG  
1501 CCTGAGGCT TGGATGCTGC TCTGCGAAGA CCTGGGCGAT TTGATAAGA  
1551 GATTGAGATT GAGATGCGCA ATGCTGAGGA CCGGCTAGAT ATTCTGAGA  
1601 AACCTCTTGG AAGGGTACCC CATTGCTTCA CTGAGGCTGA GCTGCTGAG  
1651 CTGGCAATAA GTGCTCATGG ATAGGTGGA GCAAGCTTGA AAGTCTTGTG  
1701 TAATGAAGCA GGTCTCTGTG CCTTGGCGAG AATCTGTA AAAGCGCTA  
1751 ACTGCTGTTG CAGTGTGTTG CTTGCTGCTT AACACTGATC GATGGCATTT  
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2001 GCAAGCTGGG TGCTCTAAAA CATTGATAGC AAAGGCTTTG GCAATGAGA  
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2151 AGTGGGCGCT TGCATATTT TCTTTGATGA ACTGATGCGC TTAGCAGTTG  
2201 AAAGGGGCGG TCTTTAGGT GCTGGGAATG TAGCGGATCG TGTTTTGGCT  
2251 CAGCTCTTAA CAGAAATGGA TGGGATTTGA CAGCTAAAGC ATGTGAGCAT  
2301 TTTGGGAGCT ACTAAAGCTC CAGATAGGAT AGACAAGGCT TTGATGGCG  
2351 CTGGAAGAA TGTATGAATC ATCTATGTGC CTTTACCGGA TCGAGCACA  
2401 AGAGGGGAAA TTTTATAGCT CGAGTTTCAE TCGATGCGTG TONGAATGA  
2451 AGTTGAGCTG GATGAGCTCA TCTCTAAGC CGAGGCTATC TCGAGAGC  
2501 AGATTGATG TGTCTGAGA GAGGAGCTTC TTTCTGCTCT GGAAGAGAC  
2551 ATTCAAGGCA ATCTCATCAT GAAAGACAT TTTCACTCAGC CTTGAGAGC  
2601 TGTGAGAGCT AGAATTTCTG AGTCAATTGAG AGTTTTTTAT GAAGATTATC  
2651 AAGGAGAGG TGGGCTGCACT ACACCTTGA (SEQ ID NO:1)

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